Meeting Highlights
EIIP EMISSIONS MODELING COMMITTEE
CONFERENCE CALL
December 11, 2001

Roll Call

Patrick Barickman (DEQ, Utah), committee co-chair with Greg Stella (EPA), called the roll of attending members. Members announcing attendance on the conference call were the following: Patrick Barickman, Laura Boothe, Dan Catlin, Billy Hodan, Mark Janssen, Mark Saeger, Gopal Sistla, Jeff Sprague, Greg Stella, Madeleine Strum, Eric Zalewsky.

Group Discussion and Reaction to Spatial Allocation Memorandum

The memorandum concerning the use of future year spatial allocation factors to project future emission trends was e-mailed to committee members prior to this conference call. A discussion of the ideas and findings of the memorandum was the focus of the first committee discussion.

It was suggested that future population projection information at the county and sub-county level is likely to be one of the most obvious and readily available sources of future spatial data.

Metropolitan Planning Organizations (MPOs) were suggested as a good source of data. The focus in searching for future year data should be on commercial related information more than industrial data. Also focus on local commerce and utility data. Also it was suggested that future data in the 5-10 year range should be the focus of this effort.

It was suggested that Travel Demand Models (TDMs) could be used as a source of future year data. TDMs are available for many urban areas. One problem with the data may be the tendency to be more political than scientific caused by the efforts of local officials trying to get better roads in the area to *influence* population growth instead of improving the roads *due* to population growth.

Sub-county level data may be necessary for some Metro areas. Atlanta, GA which represents an area where growth is occurring in several counties at different rates and spans multiple county lines is one example. Another example is Phoenix, AZ which represents a high growth urban area that occurs entirely within the boundaries of a single county.

It was suggested that a list of MPOs and State Organizations should be assembled, and from that list, a small case study should be conducted to test for the availability of information and effectiveness of putting together future year spatial allocation files using data supplied by these organizations.

It was decided that the efforts of the committee would be devoted to spatial allocation factors and information that would benefit the continental U.S.

It was suggested that a mixture of data sources would need to be investigated due to the unimportance of population density in rural areas.

Regarding Table 2 in the memorandum, it was pointed out that the *mass of emissions* represented by the SCC assignments to various spatial surrogate assignment files is more important than the *number of assignments* as represented in the table.

It was mentioned that SMOKE was the example modeling system presented in the memorandum, but the current effort should address the needs of additional emissions modeling systems as well.

Group Discussion of the Goals of the Committee and a Means of Attaining Those Goals

It was decided that the initial effort of the committee should be to research the availability and impact of spatially relevant factors on modeling systems, and build a foundation for assembling spatial allocation files

It was decided that PES should coordinate with Laura Boothe in NC, Gopal Sistla in NY, and Dan Catlin in AZ. PES will present an outline of the approach to the committee, and present the initial results to the Modeling Sensitivity Group to see that the efforts of this group result in an improvement to current future year modeling.

The committee agreed that the three critical factors that should be investigated are 1-Agriculture, 2-Housing, and 3-Population (as a whole, urban, and rural).

Other Business

No other business was discussed.

Next Agenda, Date, and Time

The next agenda, date, and time will be proposed in early-mid January, and the committee will be e-mailed at that time.